

=====

Sequence Listing was accepted with existing errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Thu Jun 07 20:50:15 EDT 2007

=====

Application No: 10663431

Version No: 1.1

Input Set:**Output Set:****Started:** 2007-06-07 20:49:27.067**Finished:** 2007-06-07 20:50:06.263**Elapsed:** 0 hr(s) 0 min(s) 39 sec(s) 196 ms**Total Warnings:** 0**Total Errors:** 26**No. of SeqIDs Defined:** 168**Actual SeqID Count:** 168

Error code	Error Description
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (8)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (10)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (15)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (25)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (28)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (33)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (38)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (44)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (64)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (72)

Input Set:

Output Set:

Started: 2007-06-07 20:49:27.067
Finished: 2007-06-07 20:50:06.263
Elapsed: 0 hr(s) 0 min(s) 39 sec(s) 196 ms
Total Warnings: 0
Total Errors: 26
No. of SeqIDs Defined: 168
Actual SeqID Count: 168

Error code	Error Description
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (76)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (86)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (129)

SEQUENCE LISTING

<110> Morris, David W.
Malandro, Marc C.

<120> NOVEL THERAPEUTIC TARGETS IN CANCER

<130> 20366-71001

<140> US 10/663,431

<141> 2003-09-15

<160> 168

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 754086

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(754086)

<223> n = A,T,C or G

<400> 1

```
tctcactctc cttecttccc tccttcccce tctcttggtt ttccatcata tattacatat 60
tgactgcagt ttctctttct tcctctctct caagtctgtc actcctctct cccacgcaca 120
cgcaccgccc cccccccccc catccactcc tcctccggtt ctcttcagaa acagcgggcc 180
tcagagttat caaccaaaca tgacacatca agtttcaaca atactaggcg tctccctcaa 240
ttttaaggct gggcgaggca atctagtttg aagtcaattg ctttcattaa gaccaagact 300
caagctttgc cagatgagtc tcttctttaa gcgcctcgaa gttctatatt tccagcaatg 360
gccagcagag ggcagcattg caccacggct gctctgggag ggctagctgg ttcagcttga 420
caactgcggc tgcgctggtg ggttccctga attgtcctgg ttgcaggagt tggggtaggg 480
ggtggtgtgt tcgagagcgg gagatcacgg tctccattct gcttggggct tttctgtgcc 540
tggtgtctct tcacgggtta accgagttcc ggtgtgctct tgaggatgct tatttccatt 600
tgagggcttg cagtcctaag aacagctcac ctacagggg cgcgctctat gctttataaa 660
cttacgcttt atgtcttttc tcctggaagt ctctcctgat cttttgttc atccctgctg 720
gggcatccct gctatcagtt tccttccacc ctgtttccag aggaaggctc tgtttccctt 780
gcacctatcc aaggctcactg ccgcccctaa gctctggatc taagatcagc atgtctgtct 840
gtcccaccca gtatgctctc taacagggtga ccagcttcat tgaaggatgt catcattagt 900
ggttagggtc ctaagatctt caggaatcca ggcttcttgt cttaggcagc ctcgttccca 960
tgettcgttc ctcccgctcc tcttcttgag gggattgaac actgaccaa ggacgtcatc 1020
aacaccacat gtggtacctc caacaaaaga atagggtgcca ggaacttttg gaaggggacc 1080
agccaaagac ccagactgg cagagtcctc agtgttccta gggagtcggg aatgtgcttc 1140
gccgcagttt tgagaaatac atgtcactt atcaggatgg aggaaaaaaa aaaaagcaag 1200
aaagaaatga ataacgcctg tgtttgggac ggggtagaga cgatattttc attaatgtg 1260
tgcgggagtg taaattggct taaaaaacag ctttgagtg tacagctttg ggaattatac 1320
gttaaaaggc ttaaatatct tatagccttt cacctaataa ctccaattct gggcatttat 1380
cctaagaaaa caattgtata agagcagaaa atatatacac aaagatctta cagtagtatt 1440
gtatgaccag ttatatcaag tatgctctat tctgtgggac aaaacctgat cagctactaa 1500
aaacctgtt ttcaggaaat ttttattgag atgctaactg attgatttaa cacaccagca 1560
tctcctgggt atgacagcta ctgttctggg tactagaaat aaggcgtaag taaaactcct 1620
tcctctgtgg agtttccggt cggtctgtgt gctggctcta gtgtgtggta ggcaggtgct 1680
ctgccactgg aagtcaagca ataagaaaat tacacaattt ctgtccttga atagaaaaaa 1740
ggacagggtc ctacgctgg tgggataatc tcataagccc agtgcttggg aggctgagac 1800
```

aggaggagcc	tgagtttgaa	gccaaacttg	gctacaaagt	aagactcaaa	acaaaacaaa	1860
acaaaacaaa	acaaaactcc	tcaataaaaac	aataacaaca	tcagcagcag	cagcagcagc	1920
aacaacaaca	acaataataa	caataacaac	aacatcaaga	tggatgaatc	atgaaatcac	1980
tggttggtgg	tatcagcgaa	ggcggtagt	ctcttggcat	ggaaatgcct	gcatggtagc	2040
taatgtgtgt	ggaggtacag	ctggctctgg	aactggggct	catgagcagc	aagcttgtgg	2100
gctagctcag	ggtcatccat	gtgtggcttc	ttaaggtcct	gacatgacca	atggcttcta	2160
agacctgtat	tgttttccag	gtaggcagaa	gagaaaacgc	agggggcacg	gccatttatt	2220
gagcggccat	attttattct	tcatgggcag	agctttggcc	aacgtgtcat	agccctgaaa	2280
gacccccaga	gccacgcctg	gttgaaggaa	ggcatggct	atggtgtttt	gaattgtggg	2340
atgttctttt	ccacatgttc	tagaccaaag	gagacatcga	aacaagcttt	tttttttttt	2400
ttttttgaat	agaaacaaaa	aagggtcttc	tgtcttgaaa	gaaataagggt	gggatggctt	2460
gctattagaa	agtagggcag	attgtctgca	gtgtgtctca	gatataacctg	tcacctggtg	2520
gctgtgtcca	gcagtctctc	ctgctgaccc	ctgcctccca	tggccttgtg	ccccacacag	2580
gctaagggga	agtgggtgaa	aagggtccaat	ggcagtttct	cactaagaga	tgttccttgc	2640
ctttcagcct	attttctggc	ctccatatga	gggcacacat	ggctgatgct	tgggggtatct	2700
gcaacctgga	ctcatgtggg	gttgagcttc	cagggagctg	gagtgtgtcc	ccaggcttgg	2760
actaagctgc	tccagggtttg	ggctgcttct	ttttgttaat	ttgctttgtt	gttacatcac	2820
tgaacttgag	acaacatctt	ttccttttct	ctgttggttg	ggaagctggg	taaagtcagc	2880
ccggtccctc	ttatccccat	ctgctgccct	cttgtggccc	ccaagcacac	ttgcaaccac	2940
atagtatata	cacattaaat	taaaaatatg	ttttgttttt	gtttttgttt	ttgttttttt	3000
cttctatgag	tcctaacagg	aggaaaaggc	ctttggccac	ctggctacca	ggaaacatgg	3060
gaaatttccc	accctgactc	tgtacaggat	gctctctgac	actcacacgt	tctctgctgt	3120
ccccagagat	gagcagcagg	tatccctcca	tgaggtagga	gcttggggat	cagacgacct	3180
tggteccagcc	tgttccttgt	ctacaatggg	gctcctgaaa	gcaccattgg	gaatattaca	3240
tctgtatttg	gaaaaaaaaa	accatttgca	ggtttaagta	agtttctggg	cataaggaga	3300
ttgtcctgaa	ttgtcaaaat	gtccccata	cccaatcgtg	aatgtctcct	taaggctaag	3360
ggaggctaca	cagatgggtg	cactgtgtag	cctgtgttgc	tacagaggca	gggacaggct	3420
agtttagcta	gttgtgagcc	atgaaacaga	acttgagaga	cagtgaagtat	tcttgccact	3480
gagccatctt	tagaccttta	gtggtccctt	gacttccctg	ggatgcccac	cgaagatacc	3540
atggttgaca	agtctttgct	gcaaaatatg	gccaccaggg	atgcctgctc	tgttgatatg	3600
gatctagaaa	ggtgtgtgtc	tggcttctgc	atcgccaaca	agaactattc	tggcaacttc	3660
catcatagta	ccttccaatt	tatactttgc	tttccatggg	cttttcttcc	catcccttcc	3720
tgtataggaa	acacattgac	attctaaact	ccagtcacg	tctcagctta	ggatttgccg	3780
atccttcagg	cagctgcaag	aggagccctg	ggcagcagag	agaagggtcg	agctctgggc	3840
attctctgtc	tagggttggc	tgggccatgc	ctgatgaggg	tgttggggcc	tgactttgtc	3900
tctgaagtag	acagacaggc	tagggttcag	gtcccagcca	cttagtcctg	ttaaccacat	3960
agtgatggga	cagcgggcc	caagggttaa	aagggcaggg	atgcagatgc	aagactggta	4020
gaatagagtg	gagaagctgt	gctagccatc	atggctggga	agctggggag	tcagcaagta	4080
acggggatag	ggcagggcca	gaccttgtgc	ttaggtgtgg	cctcaaaagt	ctgagtggca	4140
gcaggagacc	cgtattcatt	gttgggctta	ggtgtcccag	gagcatggac	ctgtcctgaa	4200
gattccccat	gcttgtagat	tgcagagcct	ccgattggaa	ggatgcaaac	actgtccctc	4260
cagaggctgg	catgacagct	cagaagggtg	tgtctgggtg	tgcccacacc	ttacttccct	4320
ttgactgtcc	ctttcaactc	aagacatcat	tgtgcaaaact	tcacttttct	tcttctttca	4380
gaaagcctga	aggaaggggt	ggatcttcca	gggacccaag	ggattaggag	gttccagagc	4440
atttttgtgg	gagcctcaga	tggctctagt	tgtggtttga	ccccgccgtc	ttcctgcca	4500
aagcacctt	ctggatccag	cactctagcc	tgtttttct	ccccccacag	gtagcttctt	4560
ggggtggttg	attctaatac	cactgcgtct	tgttctgtat	aagggaatag	atgaagggaag	4620
gccttttct	tacaaagatg	aggtgtcct	gttggggtgt	gatcacacaa	gacatgatct	4680
tttttttttc	tectcattgg	catgtggctc	ctgggctgcc	agccatgggtg	atgcctgcat	4740
tatcgacagt	gccctcagct	gtgcgggtcc	tgcctgatg	ccgactcagc	atcctgctct	4800
tgggaggagg	ctatccccag	ctgcactttc	tccagccaca	ctgtcctcca	taaaactgaa	4860
gactaaatca	atgaagcttc	gaatcatggg	ataagtgaga	ctagagattg	ctggcctggg	4920
aaatttgaaa	gtaaaaactc	aagagaatga	ccaagaggga	aagcaaacta	aaacaaaaac	4980
aaaacaaaaac	aaaacaaaaac	aaaacaaaaac	acagtcatat	aaaggatgat	caaataaata	5040
taagtactaa	aaacgagatg	agagaggttg	gcaaaagaga	caaagcagag	ctgggtcatt	5100
atcattcaac	agatgtgtca	gatggctgct	gagggaatgg	aggaaacaag	caataaggga	5160
gtgtgttaaa	ggaggaagag	gagggaagag	aggaggggga	ggagaaggag	gagggagagg	5220

tcgaggaaga	ggaggagggg	gaagaagagg	aagaggagat	gaggaagaag	agggaaagga	5280
ggaggaagaa	aaaggaggag	gaggaagaag	aggaagagga	ggaagaagaa	gagaaagagg	5340
aggagaaaga	agaagaggaa	gaggagaagg	aagaagaaga	ggaagaggag	gagaacgaag	5400
aggaaaagga	ggaggaagga	ggaagagtag	cagcagcagc	agcaataaca	gtagtagtca	5460
tctcgggcat	accccagcag	cctgcacacg	cctacaattc	cattttgggg	gctgaaacag	5520
gaggatctca	aattcgtggg	tggctctaaga	tgacaggtaa	gaccttgcct	cagcaaacaa	5580
aataaagcaa	ggcaaagcag	caatgggaag	ctgggtaggg	aggcagtggc	tctcctcagg	5640
tcctaccagt	gagtaggttc	cttggagcct	gtgggtagtg	agcgtctctt	cctagatgcc	5700
ggctgagccc	tctacagcta	ggcttgggtc	tgcttagcct	cttccatgtg	cacacaaggg	5760
agctaagctt	ccatagccaa	agctgtagac	ttccttgtgg	tctgtctgcc	agctgcaccc	5820
ttcctgcaat	tgacgtgga	ccgccagctg	tgctttgcag	gaggaagatg	ctgggtctcag	5880
gtaccctgga	cagctcccta	ggcgggtgtac	atccttagga	tgcatctgtt	ctggggctgg	5940
tcaggtggtg	gctctacttg	ggtaggagac	tcccagacc	tgccaggatc	acaggtcaca	6000
aggagggcca	ggattccagg	tgtccttttc	ttgaccaggt	tattgtctgg	aatgagaatg	6060
gtgatggaga	ctggtgagat	ttgtgtttct	agagtgccag	tcacaacggg	tgtgtcttcc	6120
aagtgggccc	ctgtggcctc	tctctttgtc	tggacatttg	acctgcattg	ttggttgcaa	6180
actgctggct	cccagcagta	ctttagtggg	aaggcctgat	gactacaacc	ttcttcagtg	6240
tccatgtgtg	taaaagccta	ccccctggga	aggaaaggga	gggctgagca	taggttttca	6300
tgctaaataa	atgtcgttaa	aatcatctta	accgaagaga	tctttcaaaa	aggcaatcct	6360
ggtgttggct	gaagtacaac	taaaggattg	gacagattga	ctcactcttg	gtttccataa	6420
atacaccttt	gtgtagttag	ggataaccca	agaagactga	gttctgattc	tcccaacaac	6480
tcttcccatg	ttgtgggcaa	atcctatctt	tctgtgtgcg	ttagtctttc	cctctgagca	6540
atgggtatac	atctcgaggc	ctagacactg	atagcttgcc	ttcgatatct	aggttattac	6600
agaatggtga	acttgtgctg	tgtttcctga	gtttaacaaa	cctgattttg	ccaggcatag	6660
tggcgcatgc	ctttaaccct	agcaccacag	aggcagaggt	aggcagatct	ctgtgtgaag	6720
ttagcctggg	ctacaaagca	tactccagga	cagccaaagc	tacatgaatt	ggagactcta	6780
agtggccaca	tcacacttac	catcatttca	ctatggagtc	agtctgcaca	aaaaccaa	6840
gttgttctgt	ctcaaaagca	aaacaacagt	aaaaaaattc	aaaagtaaaa	taaataggag	6900
agagagagag	agagagagag	agagagagag	agagagagag	agaaagaaag	aaagaaagga	6960
aagaaaatga	cacccgattt	tgaggaaaga	gttttacagt	ctcagagatg	gtcaggactt	7020
gtcaaggctg	aactcagcta	gaaacaaagg	ttgggtgagc	atggccccc	gcctgtctct	7080
ctgggagctg	ctgccaatcc	taacatcatg	cagcagagat	aagaccacaa	tctcctgcc	7140
tagagatggg	tctgcttttg	tctcttgttg	tctctggact	tctctagaag	taagagttgt	7200
gcagaattgc	cctaattggc	agggatggag	tgtgcaggac	cttctagttt	gggcttctag	7260
tgtggcgtgt	tctgtagatc	agattcacag	gccccagctt	ctctggatta	cccggggatg	7320
gcaaatgact	cogtagcacc	ccgggggtttg	aagacaaggg	gtgctcagct	caggagggga	7380
ggtttctcca	ggctacacat	tttcaggggc	tccaacttga	gatgtgacct	gcaggtctca	7440
aactatagtg	actccatcat	ccaggattga	accgtgtgcc	tgtgttcaca	cttccttact	7500
gtcttcccac	catggagtca	gtccccacag	gaggagctac	attgttaa	cctgaagctg	7560
atgagacttt	agttcccact	tccctacaac	ttttcagcta	gggaatgctg	caacttcgca	7620
gggctgaaaa	actggagagg	cggggatttt	ggatcagctg	gataggcact	tccccctcc	7680
taccgcaggg	tcctgtggtg	gtacctttct	tgaaaaggta	agttgtgtag	ggccgcactt	7740
agtcttgacg	cccagcctcc	ctcccaccca	cgggagggag	gctttttctc	tcttccgcgc	7800
tcaccatgtc	ccctcatcat	agaacagtgc	tctttgatgt	cgcataagccc	cattaccct	7860
ctggtcagct	gagacactgc	ctaacaacag	cttcaggagc	ccttctggcc	tctctgcaca	7920
gactcctcgc	caacccttta	aaagctgaat	ttgccagtga	caactcagtg	gctggcagct	7980
tcacacacac	acaaatgcac	gttccccaca	cagttctttc	ttctcttcc	gttttggtc	8040
actagcagca	ccaaatgcct	gcaagcttct	cctccctaag	tagcctttgg	aaactatctt	8100
cttctttcag	aatccatagc	tgcttttctc	ccttaggttg	ggccagagcc	caggcccaaa	8160
gctcctcaac	tgtcctctcc	acatttttta	atgacctgta	tggccgtcta	cctttcctac	8220
ggtgctggga	gctctaggca	aaagctgagc	tatcttgggt	ctttgaaccc	agtgtctatc	8280
ctggcgccca	gttctgccag	actcagctgg	acccggtttc	cgaaggaatc	agaatcctgg	8340
agggctcaac	tgtttccctg	aaatcttagg	tgtgttaagt	ggagcctcgt	ccaactagga	8400
cctgggtgag	agaattgaga	ccggattgcg	acctcgcccc	cccccccca	tctctcagca	8460
gcttcacggg	ggtgggtcagc	cagagtcagg	gaacccggag	gcggcgggag	ccccgctctg	8520
cttccgcggc	tgggagcgag	ctttcctccc	gggctcgctc	tagaaggctt	cgtacaggtc	8580
gctgtctgag	agcgccggcc	gcttggaagg	ctcctcacgt	ccaggcgccg	cgggtcacggc	8640

tgcgcgcggtt	tccggccatg	aattgggctt	cagagttctga	gcctcctgcc	cgactccggg	8700
ctcagtgcac	cgccccgggg	gcgggggatg	gacgcccgcc	gaaatctacc	cggacagcca	8760
gggttcgagc	ccgcgcgccg	cccgtctaagc	atcccgatgc	ctcctggctc	ggtgcccccg	8820
tctgtagtct	ctttgcaggc	tgcattgagtc	gggggtcggg	ttccgagacc	ccctgatccg	8880
ttctggtcag	ggacaggact	gcaaaatctc	ggctgaagtc	ccccagcgcc	agcgagttcc	8940
gagttccccc	tccccgaggg	tagtcgatgg	ctgtgcctac	tccgtttctc	cagcgaaccc	9000
agaggccggg	cccacacggc	caagcctagg	ctcgccgcag	acagaccaag	tccccaccgt	9060
ggtgcgctcc	tcgtagcatc	ccccggcgcg	gagcgcgagg	caccgggcgc	cccctccgag	9120
cgggcgagcg	gcgcgcggct	aggctaaggc	tccgcagtc	cgtggtggag	aggaggcgcg	9180
aggggagggg	ggcgggcggg	agggnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9240
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9360
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9420
nnnggctgcg	agcgccgcgc	caaccgcaac	cagagccggc	gcgggagccc	gagagcgctg	9480
ggctgggctg	ggctgggttg	gggcggggcg	agggcgagg	gtcgggagcg	cgggggaaga	9540
cgcacgggcg	ggctcggttc	tcccggggag	cggcccggga	ctgcaccggg	accggcgctc	9600
ccccgctccg	cgtgccttc	ggcctcgccc	cgggccgggg	cggatgagcc	gcgcgcgggg	9660
gggacatgga	agcgttgacg	ctgtggcttc	ttccctggat	atgccagtgc	gttacggtgc	9720
gggcccactc	catcatccac	atcggtgagc	tgggagagca	gacggaccga	ggctgggcgg	9780
ggggccaccta	atagagccga	tgatgcgcgg	agtcctaaact	tagcggctcc	ccgggcccag	9840
gggctcggca	gtcgggtgttc	ccccgaaggc	ccgcgcgcgc	ccgcggagga	gctgtgctct	9900
ggccgctcgg	cgtcctcgcg	ggcacctcgc	tactccccgg	ggctcctgtc	agtgcgcggg	9960
gccccgcggc	ctctgccgac	acttagggcc	gcggtcgcg	ggaacctggg	atagaccctt	10020
gtcgagatgc	gtgcccctgg	cggggctgtc	cgcgggctgg	accctcgtc	acagcttgaa	10080
cattggggcc	agggtcggat	agggctcggg	gctagctaa	ttggcagggc	aagatcaaag	10140
aggccaaagc	ggaaccatgt	gtgtctgtgg	atgggtgctg	tcagcgtgcc	agtgtgtatg	10200
cacctggcac	ggggttggtg	tactgtgag	agggcggttg	ggtgtgtggg	gccatctgag	10260
cttctcagtg	cgactgtcgc	gttctgtcag	cctgttagag	tggacacagt	gcttgcccgt	10320
ttctcgggtg	gtgtctgtgt	agctctcggt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtatct	10380
ggttgtggca	actgcagccc	aatcctggac	agtcctagag	tttctgcctg	atataagtct	10440
tggggccagc	gtacagtgtg	gatggtaggg	gtgaacggaa	ggagcatgga	tagtggggtg	10500
gggggcgctg	gatggagagg	aagaagagga	aaagcagagg	aaggggagac	cggaggaggg	10560
gtagtgatca	ggagtgttga	gcagaatggc	tgggatctcg	agaagtggg	cccggttggg	10620
ggactaacag	cggtcgctta	tgggggagcc	cctctgcagt	cgcctttccg	gaagtggga	10680
aagaccagct	aacacggata	aactgggggt	tgggaggtgt	gaggaaacgt	ggctgatgtt	10740
accgcgcggg	cagaaggtgg	aggggatgac	agggacagag	tctctactcc	aagggctgcg	10800
gcctcccctc	tgggtgccgt	gccgggccaa	gatccaaacg	tgcttcccgc	ccaggagcca	10860
gagtggggtct	cgcggtcagc	attgcggctc	cagtatagtg	aggaattcgg	gagccgagtc	10920
cttttcctac	ccagctctcg	gctccagggc	aattagaagg	ccaagcaata	ggaccttggc	10980
aatgacctc	ggcgcttgg	aaaggggctg	tggggggtca	gtgaggaccc	cagagcagca	11040
gtccaactga	tctccgctat	aggggcaggg	tcagggaagc	tgtgtgccta	gtgaaagcgt	11100
caggctctgcc	agagctccgg	atgagctgtt	cctgcttcta	gaagggccat	tcaagagtgg	11160
tttcttctgg	gactctccag	tcttgctaga	tcagaatgtc	taggggttta	ggatatagcc	11220
ccacctcttt	catacatata	ggaagaggaa	gtgagaaacg	aagagcagag	gcaccaggcc	11280
tggtagcatc	ttgaccatac	aagattctgg	ttatcaatgc	cttctgctta	aagaaaaaaa	11340
agtctttgg	gcaggagagc	cggccggccg	tggaccacct	tttacttct	gcatttgcca	11400
gggaatgcaa	aggaaaaaaa	aaaagtcctc	actccattct	ggaattggga	taggggaacc	11460
ttatcatctt	ggagaattta	ctctgggttc	tgggatggga	tttatgggac	cacatcaggt	11520
gcatctgagc	aggaggctac	ctcagctctc	tactgtatgg	gtcatggctg	ggacatgagg	11580
tgttttgcct	aagaagcaca	tgtgacctga	tggtagcatg	tgggctatga	atgtgtaact	11640
tatgtcaacc	gtgcacgtgt	atgatgtggc	gaggggaaac	caccccgctt	gggttatgat	11700
gggagatgtt	taaactaccc	aatcaacaat	cagcacagag	tcttgaggct	agtgcctcat	11760
gcctgaaatc	tctctacttg	tgaaggctga	ggcataaaga	atcaccatga	attgaaagca	11820
tctaggggca	cagaaggaga	acctgtctca	acaaagcatt	ataaaccaaa	ccaaaccaaa	11880
gtctagctca	gtcctcccac	cacgtgggtac	ccagtgggtc	gacctagggg	ctaaatgaac	11940
atgggaaggg	ttcctctcca	ggcttgggtc	tgacctctct	tcttcctcag	gtgccatctt	12000
caggagaaac	gcagccaagg	acgacaggg	gttccagttg	gctgtatcag	acctgagcct	12060

caatgatgac	atcctgcaga	gtgagaagat	cacctactcc	atcaaggtea	tcgaggccaa	12120
taatccgttc	caggcggtgc	aagaaggatga	gtggtcactg	agcccatgca	tgagtcacta	12180
ggctgcaggc	agtgaggccg	tgcagcaatg	gtccaggca	gggttgctac	ccaatccgtt	12240
gtacagagcc	tcttgggcac	ttacttggct	gctatgtcag	gcatggtggc	gtgtcctccc	12300
aggcctagca	aggtaggcgg	ttcgggtgcgg	tctgggcaag	cagagagcct	ctacgcacct	12360
caaacggctc	tectggcagg	actgtgtggc	ttctttccgg	ccaggtggat	gcgcgtgtgc	12420
gctctgcgcc	gctaccgagc	aggcgtgtgg	ctcagggagg	tctttgtttc	tcgcgtgttt	12480
gtgggtgggt	gtgtcttcgt	gtcgggttcc	cgttgtcgtg	tgcacttccc	cagaagcctc	12540
ttgtgtcctg	cagcccacgg	gagctcgtag	ctcagagctc	ttcctgtttg	tcctgtctgt	12600
agcccagcct	gtcgagcgct	cagttgcaca	ctctgtgggt	cctagaagct	tctgccccctc	12660
gggtcctcag	cttctctgcc	tctctccact	gtgtttggag	cagtccgtct	ttgcttgtgc	12720
ttgctcgggtg	gacctaggag	acgtttgccgc	ctggaccgga	ggtgggcgct	gttcgctcag	12780
gaaaagagcc	tagctggact	aggctctgatg	gcagaaaaat	actagctgcc	cagggcaaca	12840
gccccccccc	ccccccgcag	ctagctcgct	taggattcgc	ggaggcaggg	gcaacagggtg	12900
ggcagccagt	gaggccacca	gtctttgtctg	gcacctctg	gcacctgcac	tcgcgtagtgc	12960
cacttacatg	tgtgcaggca	aaacacatct	atacatatag	taatgggagc	tactactgct	13020
tttagcatcc	gcagatgtcc	gttgtctgat	gtcttctgat	acattagtga	cagcagctcc	13080
ctctgtcttt	ccttcccgctg	cattccctcc	acgcctactc	ggctggaggc	tcttgaagtgc	13140
tccccctctct	cttgtttgttg	atcttctggtc	aaggccctgg	caggaacctg	ctcaactata	13200
ttctctttcc	cgtctctcctt	tgtcttgttt	acaacaaaca	aggctccgtt	gtgggtgctag	13260
tgttccgag	tgcctccgat	acaggggtac	agtagaaagc	atagcatgta	gggacttctt	13320
cccagaactg	gcggggctac	agggcaggga	gctcagctgt	cagtttctcc	ctgggcttgc	13380
tgggcctagg	gtctgctgt	tgttttgggt	tatatactgt	ctaccagtct	gccggttaacc	13440
ttcaagatgg	gtgagccatg	gatggatgga	tggatgtagt	ctacagtgt	gggatcttca	13500
cacagcatgg	ggggaggact	ttgagggcct	tctggtttta	actacagcaa	aagatgagaa	13560
gggggcagct	cttggggagg	ggctgctggc	tgttaaggctc	aaagggtgga	ggatgtttta	13620
aacgccc aaa	tcttcagctct	caagagctga	atggagggtgg	tgggtgggtag	ggagagactg	13680
gtgttgtttt	attctgagat	ctgtggggcc	ggtgagggtgg	ctcaattaat	aacacttccc	13740
actcttgaag	aggaccctgg	tttgattact	accaccata	tggatatctca	ccactgcctg	13800
tgacttcagg	tctaaagtac	accctcttct	ggcctctgct	ggtacctgcg	caaatgtgat	13860
gcacttatgt	gttcaggcaa	aatactcaat	acatacataa	aagactgtga	agtgtctgctt	13920
ctggctctgg	cagaggtctg	ttgtcttatg	tcctctgaag	tagagtcatg	ggggagtgcc	13980
tgtccttctt	atgtggcccc	atcccacaa	ctgtctccag	atgccctctg	accgcagaca	14040
tttttgtggg	tgtgttctca	tcatgactcc	ttgggacctc	tgtctgtggc	ctctatcaga	14100
ttagcacacc	tcgacaatgg	ttgcaggttc	tgggtgacttt	cttcatgggtg	tagggcatag	14160
ctatctctac	cagaaggacc	ccggggactg	aagggtgacaa	tcttacacag	tttttttttt	14220
tatttgtttg	ttttttcaag	acagtgtttt	tctgtgtagc	cctggatgtc	ctggaactca	14280
ctctgtagac	caggggtggc	tcgaactcag	aaatccacct	gcctctgcct	ccccagtgtc	14340

gg